Claims

1. Steam generator (1) with a combustion chamber which in its bottom area features funnel-shaped side walls (6) and with an encircling wall (4) formed from a number of steam generator pipes (12) through which a flow medium is able to flow with a number of steam generator pipes (12) in the area of the funnel-shaped side walls (6) having a pipe diameter other than the pipe diameter in the area of the encircling wall (4).

2. Steam generator (1) in accordance with claim 1, with a number of steam generator pipes (12) in the area of the funnel-shaped side walls (6) having a smaller pipe diameter than the steam generator pipes (12) in the area of the encircling wall (4).

3. Steam generator (1) in accordance with claim 1 or 2, in which adjacent steam generator pipes (12) are each connected via fins (14) to each other with a number of fins (14) in the area of the encircling wall (14) having a width other than the width in the area of the funnel-shaped side walls (6).

4. Steam generator (1) in accordance with claim 3, with a number of fins (14) in the area of the funnel-shaped side walls (6) having a narrower width than in the area of the encircling wall (4).

5. Steam generator (1) in accordance with one of the claims 1 to 4, in which the diameter of a number of steam generator pipes (12) in the area of the funnel-shaped side walls (6) is reduced by 5 to 15 percent compared to the pipe diameter in the area of the encircling wall (4).

6. Steam generator (1) in accordance with claim 4 or 5, in which the width of a number of fins (14) in the area of the funnel-shaped side walls (6) is reduced by 30 to 70 percent

compared to the fin width in the area of the encircling wall (4).

7. Steam generator (1) in accordance with one of the claims 1 to 6, in which a number of steam generator pipes (12) in the area of the funnel-shaped side walls (6) is arranged at least partly in parallel to the direction of inclination of the funnel-shaped side walls (6).

8. Steam generator (1) in accordance with one of the claims 1 to 7, which is designed as a continuous steam generator.